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4. (Four times Amended) The multilayered air-fuel ratio sensor according to claim 1,  
wherein said boundary layer comprises a component selected from the group consisting of  
alumina, spinel, and steatite.

7. (Proposed Amended) The multilayered air-fuel ratio sensor according to claim 1,  
wherein said substrate layers comprise a plurality of solid electrolytic substrate layers, and  
said boundary layer is interposed immediately between two consecutive solid electrolytic  
substrate layers without any other intervening layer.

8. (Twice amended) The multilayered air-fuel ratio sensor according to claim 1,  
wherein the average sintered particle size of said boundary layer is larger than that of said  
insulating substrate layer.

See the attached Appendix for the changes made to effect the above claims.